



PO BOX 16458 • FRESNO CA 93755

MATERIAL SAFETY DATA SHEET

PRODUCT/TRADE NAME:

FOLI-GRO 5% COPPER

I. NAME

PRODUCT/TRADE NAME: FOLI-GRO 5% COPPER
EPA REGISTRATION #: NONE
CHEMICAL NAME/COMMON NAME:
Copper Sulfate/Copper Sulfate

II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Copper Sulfate	7758-98-7	1 mg/m ³	1 mg/m ³

III. PHYSICAL DATA

SPECIFIC GRAVITY (H₂O = 1): 1.15
MELTING POINT: NA
VAPOR DENSITY (AIR = 1): NA
% VOLATILES BY VOL.: NA
ODOR: Odorless
APPEARANCE: Opaque Brown Liquid
FLASH POINT/METHOD: NA
VAPOR PRESSURE (mmHg): NA
SOLUBILITY IN H₂O: Miscible

IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA: Water Fog Foam Alcohol Foam
 CO₂ Dry Chemical Other
FIRE FIGHTING PRECAUTIONS & HAZARDS:
Fight fire upwind. Wear pressure demand self-contained breathing apparatus and full protective equipment. Avoid breathing smoke, spray mist or dust. Avoid fallout and runoff. Dike to prevent entering drains, sewers, or water courses. Evacuate people downwind from fire.

V. CARCINOGEN STATUS

OSHA NTP IARC No Listing Type

VI. REACTIVITY

Stable HAZARDOUS POLYMERIZATION
 Unstable May Occur Will Not Occur
AVOID: High humidity, Hydroxylamine, Acids, Magnesium
HAZARDOUS DECOMPOSITION PRODUCTS: Copper fume, SO_x, CO_x

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Wear appropriate respiratory and personal protective equipment. Absorb with inert material and vacuum or sweep into an approved disposal container.
DECONTAMINATION: Treat spill area with detergent and water. Absorb with inert material and place in approved disposal containers. Repeat as necessary until area is clean.
ENVIRONMENTAL HAZARDS: Dike to prevent entering drains, sewers or water courses.
DISPOSAL: Dispose of in accordance with Federal, State and local regulations.

VIII. HEALTH PRECAUTION DATA

INGESTION: Acute oral LD₅₀ (rat) 300 mg/kg (SAX*). Do not ingest. Can be fatal. Wash before eating, drinking or smoking. Do not store near feed or food.
INHALATION: PEL/TLV 1 mg/m³. Wear appropriate respiratory protective equipment for exposures above the PEL/TLV. Can irritate mucous membranes.
SKIN ABSORPTION: Can cause skin irritation producing eczema and itching. Wear proper personal protective equipment to prevent skin exposure.
EYE EXPOSURE: Can cause eye irritation, conjunctivitis and corneal damage. Wear proper eye protection to prevent eye exposure. If exposed, flush eyes for a minimum of 15 minutes with water.
EFFECTS OF OVEREXPOSURE: Can irritate skin, eyes and mucous membranes. Can cause diarrhea, nausea, headache, sweating, shock, jaundice, convulsions or coma. Chronic overexposure can cause damage to kidney, liver and spleen. Preexisting medical conditions involving the above symptoms may be aggravated by exposure to this product.
FIRST AID: In all cases, get prompt medical attention. If ingested, give several glasses of water. Do not induce vomiting. For skin exposure, remove contaminated clothing and wash with soap and water. For eye exposure, irrigate eyes

with water for a minimum of 15 minutes. If inhaled, remove victim to fresh air, and administer CPR if necessary.

IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use NIOSH/MSHA - approved respirator for pesticides for exposures up to 10 times the PEL/TLV. Positive pressure self-contained breathing apparatus should be used for confined space entry and exposures above 10 times the PEL/TLV.
PERSONAL PROTECTIVE EQUIPMENT: Neoprene or nitrile gloves, rubber or neoprene boots, long-sleeved coveralls, safety goggles or glasses with side shields and brow protection and hat. For manufacture, formulation and application operations recommend a shower at the end of the work shift.
VENTILATION: Local exhaust ventilation is recommended for formulation and manufacture. General ventilation sufficient for intended use.

X. SPECIAL PRECAUTIONS

Keep out of the reach of children. Read and follow all label instructions.

XI. REGULATORY DATA

SARA HAZARD CLASS: Acute Chronic Flammable
 Pressure Reactive None

SARA 313: Yes No Chemical: Copper Compounds

SARA 302: Yes No Chemical:

TPQ:

CERCLA: Yes No Chemical: Copper Sulfate

RQ: 10*

RCRA: Yes No

NFPA HAZARD RATING:

Health: [2]

Fire: [1]

Reactivity: [0]

Special: []

HMS CODES:

Health: [2]

Fire: [1]

Reactivity: [0]

NFPA HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

HMS HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

DATE PREPARED: March 24, 1992

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Notice: This information was developed from information on the constituent materials. No warranty is expressed or implied regarding the completeness or continuing accuracy of the information contained herein, and Wilbur-Ellis disclaims all liability for reliance thereon. The user should satisfy himself that he has all current data relevant to his particular use.

*Technical Material NE - Not Established NA - Not Applicable

24 Hour Emergency Phone Number
CHEMTREC: (800) 424-9300

